

Universiti Teknologi MARA

**Moving Object Detection and Tracking from Video
Sequence:**

**An Analysis between Canny Edge Detection and Active
Contour Technique**

Mohd Anuar Bin Mohd Salleh

Thesis submitted in fulfillment of the requirements for
Bachelor of Science (Hons) Intelligent System
Faculty of Information Technology And
Quantitative Science

November 2006

DECLARATION

I certify that this thesis and the research to which it refers are the product of my own work and that any ideas or quotation from the work of other people, published or otherwise are fully acknowledged in accordance with the standard referring practices of the discipline

NOVEMBER 2, 2006


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MOHD ANUAR BIN MOHD SALLEH
2004633115

ACKNOWLEDGEMENT

In the name of ALLAH, who is the Most Gracious, Most Merciful and HIM alone is worthy of all praise. To HIM all praise go and to HIM all the thankfulness of giving me the opportunity to live day in and day out.

It is with great honor to have the opportunity to express my highest gratitude towards my supervisor, Prof Madya Zaidah Bte Ibrahim for giving me the encouragement and support throughout the duration of this study. All the hours spent in class were highly remembered as experiences to guide more for my future. Without the expertise from her, this study would not be successful as I hoped it will be.

A lot of thanks also goes to my fellow friends who are involved directly or indirectly in this project who shared and discuss expertise and experiences with me. Most of their opinions and suggestions are valuable to me in order to enhance my project quality. Lastly, thanks to all the people who have directly and indirectly contributed to this project.

MOHD ANUAR BIN MOHD SALLEH
2004633115

Abstract

Application of tracking is to monitor scenes where one would ideally have one or more human observers identifying events and noting everything that happens. In this research, a system to detect moving object in video sequence was develop and Canny edge detection and active contour technique has been chosen to test the effectiveness of this technique. Canny edge detection and active contour was developed using C++ language. The algorithm was tested on standard image processing benchmarks and significances of the result are discussed.

Keywords: canny edge detection, active contour, background subtraction

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